

REPLACEMENT ABSTRACT

ABSTRACT

A capacitance detection circuit containing an input protection circuit and having high sensitivity is provided. A capacitance detection circuit for detecting the capacitance of a capacitive sensor, comprising a buffer amplifier connected to the capacitive sensor via a signal wire and having a voltage gain of 1; diodes connected in series between the signal wire and a positive power supply; diodes connected in series between the signal wire and a negative power supply, wherein an output terminal of the buffer amplifier is connected to a junction point of the diodes and to a junction point of the diodes.